



477668

Kolak, Shari

From: Tracy, Carol Hefferan (DEQ) <TracyC1@michigan.gov>
Sent: Monday, May 05, 2014 2:30 PM
To: Kolak, Shari
Subject: RE: methane - fyr discussion
Attachments: Fig3Fall2013_1,4-Dioxane.pdf

It is as you say ---

It's almost 2 miles from the edge of the landfill – (9600 feet) and within the plume, near the downgradient extent of the contamination that exceeds criteria.

Carol

Carol Tracy, Senior Geologist
Michigan Department of Environmental Quality
Superfund Section, Remediation and Redevelopment Division
Geology and Defense Site Management Unit
tracyc1@michigan.gov
Phone Number: 517-284-5161

From: Kolak, Shari [mailto:kolak.shari@epa.gov]
Sent: Monday, May 05, 2014 3:22 PM
To: Tracy, Carol Hefferan (DEQ)
Subject: RE: methane - fyr discussion

Thanks Carol. The fyr currently describes the location of P-67 as "located within and near the western extent of the contaminant plume" but you say below that P-67 is "located along 1st street, approx. 9600 feet from the edge of the landfill." Is this the same thing or should the first location description be changed to read "located within and near the western edge of the landfill"?

From: Tracy, Carol Hefferan (DEQ) [mailto:TracyC1@michigan.gov]
Sent: Monday, May 05, 2014 12:23 PM
To: Kolak, Shari
Cc: Wagaw, Wally (DEQ)
Subject: RE: methane - fyr discussion

Of the wells sampled for dissolved methane, P-67 was consistently the highest during the last 5 years---ranging from 10,000 in the fourth quarter 2012 to 21,700 during the 3rd quarter of 2011. P-67 is located along 1st street, approximately 9600 feet from the edge of the landfill.

Just taking a quick look, it appears that P-63 is also generally high, but not as high as P-67. P-63 is located on Skyview Drive.

P-10711 was 15,000 during the 2nd quarter 2013!

Kind of hard to imagine a sand and gravel aquifer with so much water being that anaerobic. But, dissolved oxygen levels are very low (generally below 2 ug/L) throughout the plume, until you get to P-76 (the new sentinel well upgradient of Chaddsford Way, screened in the upper uncontaminated portion of the aquifer), which has a dissolved oxygen level of 6 ug/L.

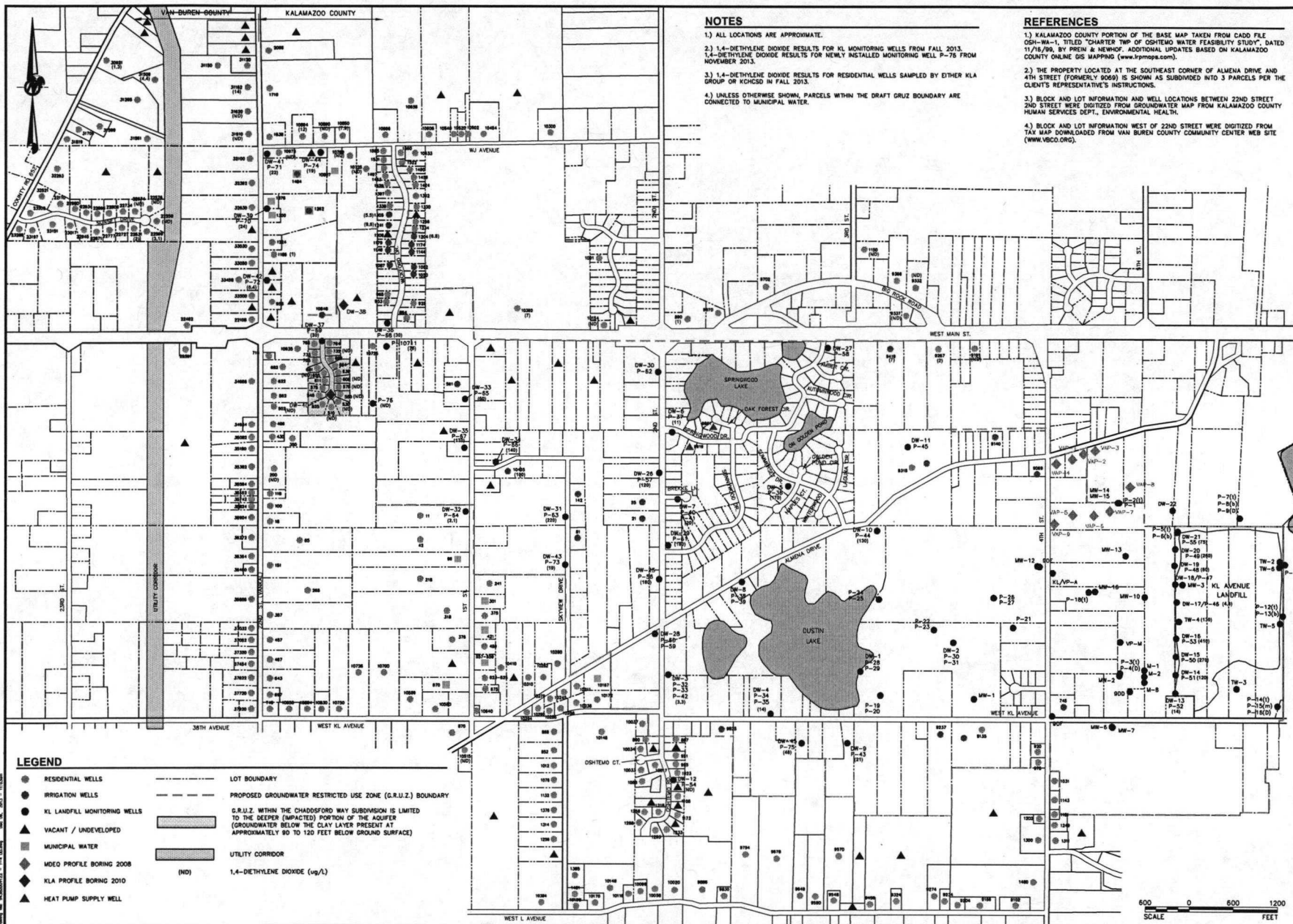
Carol

Carol Tracy, Senior Geologist
Michigan Department of Environmental Quality
Superfund Section, Remediation and Redevelopment Division
Geology and Defense Site Management Unit
tracyc1@michigan.gov
Phone Number: 517-284-5161

From: Kolak, Shari [<mailto:kolak.shari@epa.gov>]
Sent: Monday, May 05, 2014 12:08 PM
To: Tracy, Carol Hefferan (DEQ)
Cc: Wagaw, Wally (DEQ)
Subject: methane - fyr discussion

Carol,

I am working on the methane discussion. The highest methane concentrations appear to be from 3/25/13 in P-67 at 18,000 ppb and P-63 at 19,000 ppb. Are there any other wells that have high methane concentrations that I should discuss in the fyr? Thanks, Shari



REV	DATE	DESCRIPTION	BY	CHK	APP

PROJECT
KL AVENUE LANDFILL GROUP
KALAMAZOO, MICHIGAN

TITLE	1,4-DIETHYLENE DIOXIDE CONCENTRATIONS FALL 2013
PROJECT No.	943-8200
FILE No.	9438200V122
REV.	0 SCALE AS SHOWN
DESIGN	SSD 12/06/13
CADD	TR 12/06/13
CHECK	TR 12/06/13
REVIEW	RJ 12/06/13

FIGURE 3